

Product Datasheet

TLR2 Antibody (TL2.1) [Biotin] NB100-56056

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 29

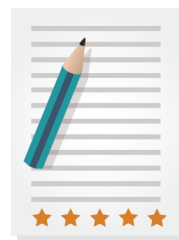
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NB100-56056

TLR2 Antibody (TL2.1) [Biotin]

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	TL2.1
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	Biotin
Purity	Protein G purified
Buffer	PBS

Product Description

Host	Mouse
Gene ID	7097
Gene Symbol	TLR2
Species	Human, Mouse, Rat, Canine, Rabbit
Reactivity Notes	Cross reacts with Dog and Human.
Immunogen	This antibody was raised by immunizing mice with CHO cells transfected with human TLR2 cDNA (Flo et al, 2000). The hybridoma supernatants were selected by flow cytometry.

Product Application Details

Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot, Flow Cytometry 1ul/1 million cells, ELISA, Immunocytochemistry/Immunofluorescence 1:10-1:2000, Immunoprecipitation 2-5 ug/ ml
Application Notes	Immunocytochemistry/Immunofluorescence: please see Mempel et al. (2003) for details Immunohistochemistry (paraffin): please see Faure et al. (2001) for details Western Blot: please see Faure et al. (2001) for details. Use in ELISA reported in scientific literature (PMID: 23629653).

Images

Western Blot: TLR2 Antibody (TL2.1) [Biotin] [NB100-56056] - Detection of TLR2 mRNA in multiple cell lines. No detection was observed in L363 or Fravel cell lines. [PMID: 23593278] Redegeld et al. 2013 PLoS One



Publications

Guzy C, Paclik D, Schirbel A et al. The probiotic *Escherichia coli* strain Nissle 1917 induces γ delta T cell apoptosis via caspase- and FasL-dependent pathways. *Int Immunol*. 2008-07-01 [PMID: 18448456]

Details:

Antibodies cited [Flow (Cell Surface) (human PBMCs), Fig. 5]: 1. TLR2 FITC [IMG-416C] 2. TLR4 FITC [IMG-417C].

Rydberg C, Mansson A, Uddman R et al. Toll-like receptor agonists induce inflammation and cell death in a model of head and neck squamous cell carcinomas. *Immunology*. 2009-09-01 [PMID: 19740321]

Details:

TLR2/CD282 PE (IMG-416D), TLR3/CD283 (IMG-315A), TLR3/CD283 (IMG-315D), TLR5 PE (IMG-663D), TLR5 (IMG-663). 1. IHC(paraffin): Human head and neck squamous (HNSCC) cell carcinomas showing keratinized cell carcinoma from the larynx stained with TLR2 (IMG-416A) and TLR5 antibodies (IMG-663A), Fig 1A, 1B, & 1C. 2. Flow (intracellular): TLR2 PE (IMG-416D), TLR3 PE (IMG-315D), and TLR5 PE (IMG-663D) antibodies were used in human bronchial epithelial (NL-20) and human pharyngeal squamous (Detroit-562) carcinoma cell line, Fig 2C.

Prabha C, Rajashree P, Sulochana DD. TLR2 and TLR4 expression on the immune cells of tuberculous pleural fluid. *Immunol Lett*. 2008-04-15 [PMID: 18295348]

Details:

TLR2- FITC (IMG-416C): Flow (cell surface): Figs. 1A, B (human CD4+T cells, CD8+T cells, B cells, CD16+56+ cells and monocytes); 2(CD4+T cells); 4A, B (human Treg cells). Flow (intracellular): Fig. 3A, B (CD4+T cells) 2. TLR4-FITC (IMG-417C).Flow (cell surface): Figs. 1B, C (human CD4+T cells, CD8+T cells, B cells, CD16+56+ cells and monocytes); 2(CD4+T cells); 4A, B (human Treg cells). Flow (intracellular): Fig. 3A, B (CD4+T cells).

Tsai CC, Lin CR, Tsai HY et al. The immunologically active oligosaccharides isolated from wheatgrass modulate monocytes via Toll-like receptor-2 signaling *J Biol Chem* 2013-05-01 [PMID: 23629653]

Menzies BE, Kenoyer A. Signal transduction and nuclear responses in *Staphylococcus aureus*-induced expression of human beta-defensin 3 in skin keratinocytes. *Infect Immun*. 2006-12-01 [PMID: 16954397]

Details:

TLR2 [IMG-416E] 1. FA (human keratinocytes), Fig. 2.

Yang X, Fullerton DA, Su X et al Pro-osteogenic phenotype of human aortic valve interstitial cells is associated with higher levels of Toll-like receptors 2 and 4 and enhanced expression of bone morphogenetic protein 2. *J Am Coll Cardiol*. 2009-02-10 [PMID: 19195606]

Details:

Citation using the Azide Free version of this antibody.

Ding J, Rapista A, Teleshova N et al. *Neisseria gonorrhoeae* enhances HIV-1 infection of primary resting CD4+ T cells through TLR2 activation. *J Immunol*. 2010-03-15 [PMID: 20147631]

Details:

TLR2/CD282 (IMG-416C). Flow (Cell surface), Fig 6D (human CD4+T cells).

Wong CK, Cheung PF, Ip WK et al. Intracellular signaling mechanisms regulating toll-like receptor-mediated activation of eosinophils. *Am J Respir Cell Mol Biol*. 2007-07-01 [PMID: 17332440]

Details:

Human blood eosinophils and neutrophils from buffy coat: For WB, Fig. 1A: TLR1 (IMG-5012), TLR5 (IMG-664), TLR6 (IMG-304A), TLR7 (IMG-540), TLR8 (IMG-321A), TLR9 (IMG-305A). For Flow (Intracellular) and Flow (Surface), Fig. 1B: TLR1 (IMG-5021), TLR2 (IMG-416C), TLR3 (IMG-315C), TLR4 (IMG-417C), TLR5 (IMG-663C), TLR6 (IMG-304C), TLR7 (IMG-665A), TLR8 (IMG-321C), TLR9 (IMG-305C).



Gibson FC 3rd, Hong C, Chou HH et al. Innate immune recognition of invasive bacteria accelerates atherosclerosis in apolipoprotein E-deficient mice. *Circulation*. 2004-06-08 [PMID: 15123526]

Details:

TLR2 [IMG-416]: 1. IHC:P (aortic tissue), Fig. 2b 2. Flow (Cell Surface) (P gingivalis, mutant P gingivalis), Figs. 3a, 3b.

Harman AN, Bye CR, Nasr N et al. Identification of lineage relationships and novel markers of blood and skin human dendritic cells. *J Immunol*. 2013-01-01 [PMID: 23183897]

Details:

Antibodies cited in Fig 4B for flow cytometric analysis of TLR expression in human monocyte-derived dendritic cells (MDDC), CD14+ monocytes, myeloid DC, and plasmacytoid DC:1. TLR2-FITC, clone T2.1 (IMG-416C): Flow (cell surface)2. TLR4-PE, clone HTA124 (

Flo TH, Halaas O, Lien E et al. Human toll-like receptor 2 mediates monocyte activation by *Listeria monocytogenes*, but not by group B streptococci or lipopolysaccharide. *J Immunol*. 2000-02-15 [PMID: 10657659]

Details:

TLR2 (IMG-416): 1. Generation of the IMG-416 TL2.1 antibody clone, recognizing a TLR2-associated epitope (Materials and Methods).

Pegu A, Qin S, Fallert Junecko BA et al. Human lymphatic endothelial cells express multiple functional TLRs. *J Immunol*. 2008-03-01 [PMID: 18292566]

Details:

Antibodies cited [Flow (Cell surface) and Flow (Intracellular), human lymphatic endothelial cells, Fig. 1D]: 1. IMG-663C (TLR5-FITC) 2. IMG-304C (TLR6-FITC).

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